Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	06/14/2016 09:22 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/21/2016 10:14 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 51739, Expiration Date: 01/31/2016 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124194	-1	3.31	124052	3.35
Blue	F	SSC	125000	122788	-2	5.71	123840	5.75
Blue	E	FITC	17316	16574	-5	4.13	938	9.73
Blue	D	PE	22501	21742	-4	3.78	976	8.96
Blue	B	PerCP-Cy5-5	67647	67682	0	4.28	1784	13.51
Blue	A	PE-Cy7	80682	80614	-1	5.00	1055	25.60
Red	C	APC	64263	63868	-1	2.72	3585	8.34
Red	A	APC-Cy7	96129	95422	-1	2.76	1886	8.24
Violet	B	V450	11714	11137	-5	3.58	694	8.28
Violet	A	V500	48394	47593	-2	3.22	2693	6.10

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19443	4.55	597	8	N/A	N/A	Pass
Blue	F	SSC	61206	4.71	520	6	N/A	N/A	Pass
Blue	E	FITC	100	36.58	519	-1	0.0238	120	Pass
Blue	D	PE	201	25.03	514	0	0.1604	119	Pass
Blue	B	PerCP-Cy5-5	217	40.19	609	2	0.0113	30	Pass
Blue	A	PE-Cy7	78	101.31	666	3	0.0143	11	Pass
Red	C	APC	336	27.14	587	2	0.0203	29	Pass
Red	A	APC-Cy7	118	38.49	566	1	0.0045	615	Pass
Violet	B	V450	74	40.29	458	2	0.0410	1388	Pass
Violet	A	V500	175	22.55	491	4	0.0125	69	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	06/14/2016 09:22 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/21/2016 10:14 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.57	47.98 - 71.98	N/A	N/A	-31.41	-31.08	0.81
Blue	20.34	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.31
Red	15.87	13.28 - 19.92	N/A	N/A	31.70	31.81	1.14

Window Extension: 7.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 10463

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments